### NFPA 285 Wall Assemblies

MasterSeal® AWB | Atlas EnergyShield Pro or EnergyShield Pro 2 | Metal Composite Material (MCM)

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Note: This is a summary of various wall assemblies that meet the requirements of NFPA 285.

<table>
<thead>
<tr>
<th>WALL COMPONENTS</th>
<th>MATERIALS</th>
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</table>
| **Base Wall System** | 1. Concrete wall  
– Use either 1, 2 or 3  
2. Concrete Masonry wall  
3. 1 layer – 5/8 TYPE X gypsum board over : 3-5/8-inch deep, 20 GA galvanized steel studs, 24-inch O.C. |
| **Floorline Fire Stopping** | 4 lb/cu ft. mineral wool in each stud cavity at each floorline |
| **Cavity Insulation** | 1. None  
– Use either 1, 2 or 3  
2. Any non-combustible insulation (faced or unfaced)  
3. 4-inch thick wool insulation sheet. |
| **Exterior Sheathing** | 1. None (if concrete wall or masonry wall)*  
– Use either 1 or 2  
2. 5/8-inch Type X Gypsum Sheathing |
| **Water-Resistant/Air Barrier Applied to Exterior Sheathing, Concrete or Masonry** | 1. MasterSeal AWB 660  
– Use either 1 or 2  
2. MasterSeal AWB 660 I  
3. MasterSeal AWB 665 |
| **Exterior Continuous Insulation** | 1. Atlas EnergyShield PRO - 4-inch maximum thickness  
– Use either 1 or 2  
2. Atlas EnergyShield PRO2 - 4-inch maximum thickness |
| **Board Joints / Flashing** | 1. 4-inch wide MasterSeal AWB 971 FIB installed over all horizontal and vertical joints, embedded in a painted stripe of water resistive barrier.  
2. MasterSeal AWB 900 installed over all horizontal and vertical joints |
| **Exterior Veneer** | Any Metal Composite Material (MCM) system, including Aluminum Composite Material (ACM), that has been successfully tested by the panel manufacturer in accordance with the NFPA 285 test method. Any standard installation technique can be used. |